

Title (en)

An elastomer composition, a resin component, and a process for making a composite structure

Title (de)

Eine Elastomerzusammensetzung, eine Harzkomponente und ein Verfahren zur Herstellung einer Kompositstruktur

Title (fr)

Composition d'élastomère, un composant résineux et un procédé de préparation d'une structure composite

Publication

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Application

EP 05022297 A 20051013

Priority

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Abstract (en)

An elastomer composition includes the reaction product of an isocyanate component and a resin component. The resin component includes an isocyanate-reactive component, a first chain extender, and a second chain extender. The isocyanate-reactive component has an actual functionality of greater than two, and the first chain extender has an actual functionality of two. The second chain extender, which is different from the first chain extender, has a structure: In this structure, A includes at least two alkyl chain groups. Each alkyl chain group has at least three carbon atoms, and is substantially free of pendent groups. R and R' are selected from the group of hydroxyl functional groups, amino functional groups, thiol functional groups, and combinations thereof. The elastomer composition has a combination of exceptional tear strength and tensile strength. The elastomer composition is used in a support layer of a composite structure. A process for making the composite structure includes providing a first layer that is a show surface of the composite structure, and providing the support layer.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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